

Course Abstract

If you need accommodations due to a disability, contact Disability Services in Edison Hall Room 100, 732.906.2546.

To foster a productive learning environment, the College requires that all students adhere to the Code of Student Conduct which is published in the college catalog and website.

Course ID and Name: CSC118 – Introduction to Web Technologies

Department: Business and Computer Science

Chairperson or Course Coordinator: Dr. Aslihan Cakmak

Office Location: ED123

E-mail Address: ACakmak@Middlesexcc.edu

Telephone: 732-906-2526

Prerequisites: CSC161

Co-requisites: None

Course Description:

This course will provide students with a comprehensive introduction to the technology tools and skills required to build and maintain web sites. HTML/XHTML, Cascading Style Sheets, JavaScript, XML, Flash, PHP, Ajax, Java Web Software, ASP.NET, Rails, and Ruby technology basics will be covered. Students will build a basic static web site using HTML/XHTML. Throughout the semester, students will add features to their web site as new web technologies are discussed.

General Education Status: N/A

Credits: 3 **Lecture Hours:** 1 **Lab Hours:** 4

Learning Outcomes:

Upon successful completion of this course, a student will be able to:

1. Describe the use of web pages/websites and their connection to the World Wide Web.
2. Identify the many ways that people access the Web.
3. Describe the variety of Web technology tools and strategies used to create websites.
4. Create standards-based websites that are accessible and usable by a full spectrum of users.

Course Content Areas:

- Web Fundamentals
- HTML/XHTML Basics
- Introduction to Cascading Style Sheets
- Introduction to JavaScript Technology
- Introduction to XML Technology Introduction to Flash Technology
- Introduction to PHP Technology
- Introduction to Ajax Technology
- Java Web Software Basics
- Introduction to ASP .NET Technology
- Database Access through the Web
- Introduction to Ruby Technology
- Introduction to Rails Technology